



Product Information

Product ID V1870

CAS No. 12771-72-1

Chemical Name

Synonym NA 209A, TR1

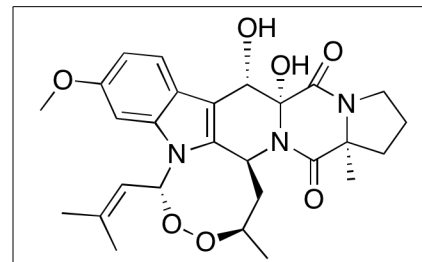
Formula C₂₇H₃₃N₃O₇

Formula Wt. 511.57

Melting Point 230-233 °C

Purity ≥95%

Solubility DMSO, Methanol, Ethanol



Bulk quantities available upon request

Product ID	Size
V1870	1 mg
V1870	5 mg

Store Temp 4 °C

Ship Temp Ambient

Description Verruculogen is a mycotoxin initially produced by species of *Aspergillus*; it is considered a tremorgenic indole alkaloid and may induce development of neurological disorders. Verruculogen inhibits Ca²⁺-activated K⁺ (BK) channels and may also act as an antagonist on GABA-A receptors, binding at or near the Cl⁻ channel.

References Smith RC, McClure MC, Smith MA, et al. The role of voltage-gated potassium channels in the regulation of mouse uterine contractility. *Reprod Biol Endocrinol.* 2007 Nov 2;5:41. PMID: 17980032.

Kosalec I, Klarić MS, Pepeljnjak S. Verruculogen production in airborne and clinical isolates of *Aspergillus fumigatus* Fres. *Acta Pharm.* 2005 Dec;55(4):357-64. PMID: 16375825.

Knaus HG, McManus OB, Lee SH, et al. Tremorgenic indole alkaloids potently inhibit smooth muscle high-conductance calcium-activated potassium channels. *Biochemistry.* 1994 May 17;33(19):5819-28. PMID: 7514038.

Gant DB, Cole RJ, Valdes JJ, et al. Action of tremorgenic mycotoxins on GABAA receptor. *Life Sci.* 1987 Nov 9;41(19):2207-14. PMID: 2444852.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.